

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110618\  
 Data File : BG037849.D  
 Acq On : 6 Nov 2018 21:59  
 Operator : JU/SJ  
 Sample : J5764-06  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 07 08:21:43 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

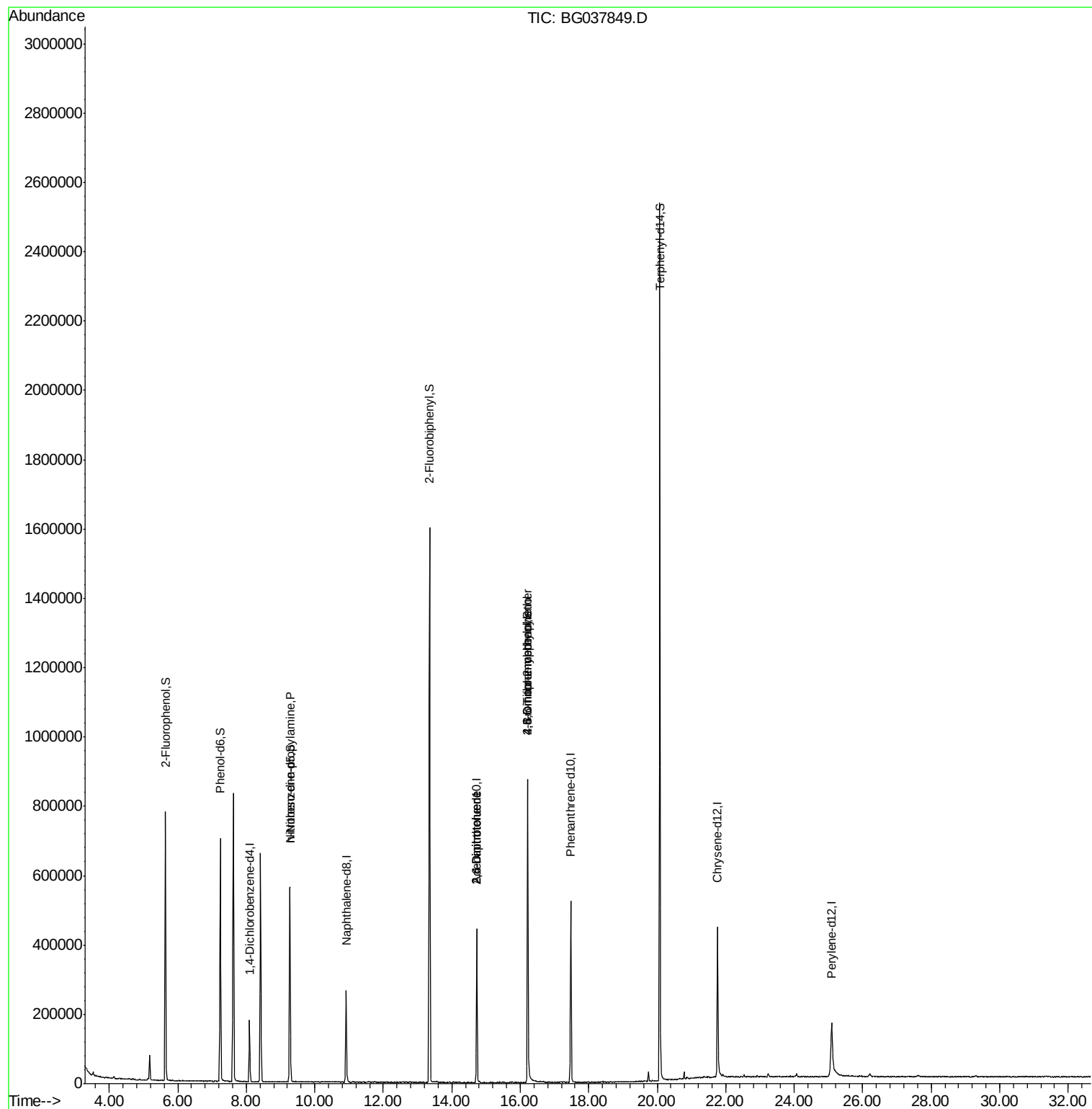
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.10  | 152  | 55541    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.91 | 136  | 244003   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 14.73 | 164  | 160524   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10           | 17.48 | 188  | 354725   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.76 | 240  | 311686   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 25.09 | 264  | 262955   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.64  | 112  | 358359   | 107.87 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.24  | 99   | 465769   | 92.72  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.27  | 82   | 366992   | 84.26  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.21 | 330  | 180323   | 102.99 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl           | 13.35 | 172  | 906772   | 85.18  | ng    | -0.02    |
| 79) Terphenyl-d14              | 20.07 | 244  | 1273125  | 87.28  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.27  | 70   | 46813    | 13.53  | ng    | # 69     |
| 51) 2,6-Dinitrotoluene         | 14.73 | 165  | 20410    | 7.43   | ng    | # 25     |
| 57) 2,4-Dinitrotoluene         | 14.73 | 165  | 20410    | 5.66   | ng    | # 25     |
| 65) 4,6-Dinitro-2-methylphenol | 16.21 | 198  | 540      | 8.75   | ng    | 71       |
| 67) 4-Bromophenyl-phenylether  | 16.22 | 248  | 12957    | 3.33   | ng    | # 1      |

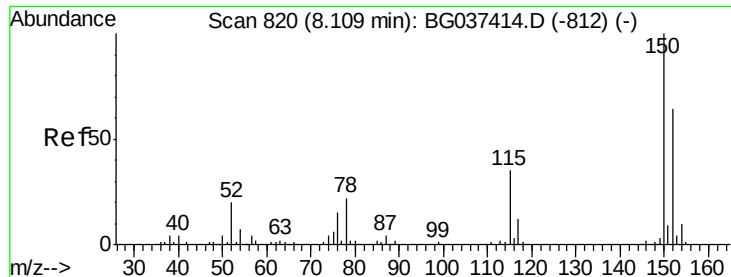
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110618\  
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Sample : J5764-06  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Nov 07 08:21:43 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 18 14:06:42 2018  
Response via : Initial Calibration



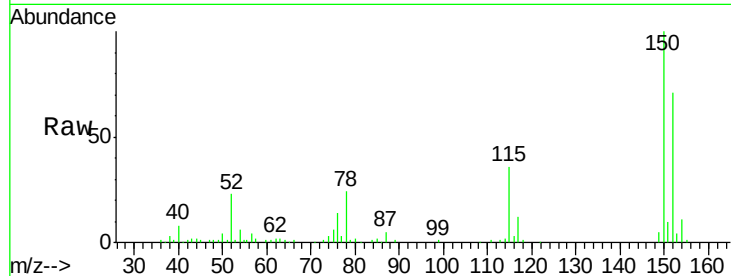


#1

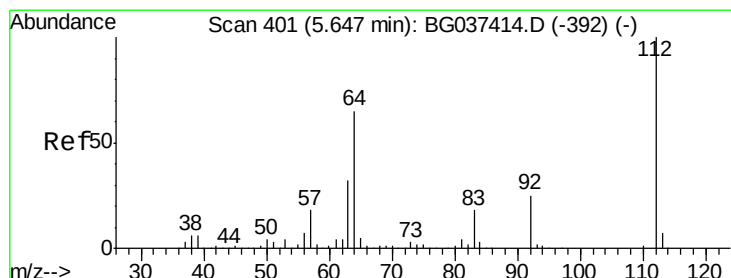
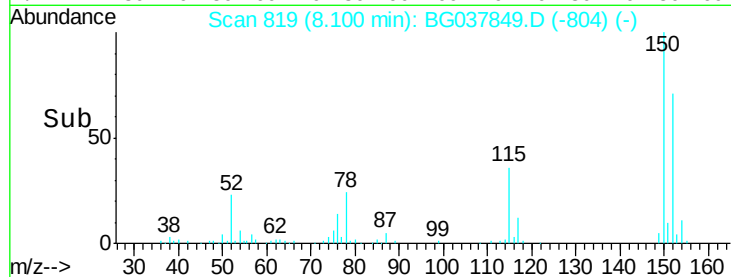
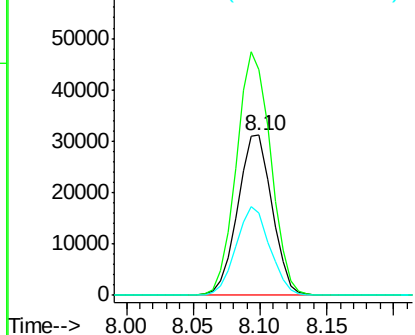
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.10 min Scan# 819  
Delta R.T. -0.01 min  
Lab File: BG037849.D  
Acq: 6 Nov 2018 21:59

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 55541  
Ion Ratio Lower Upper  
152 100  
150 141.0 126.0 189.0  
115 51.3 45.5 68.3



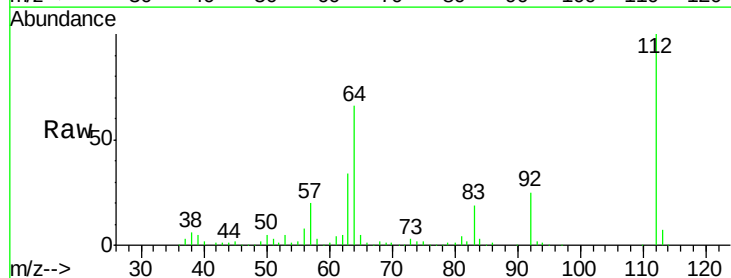
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



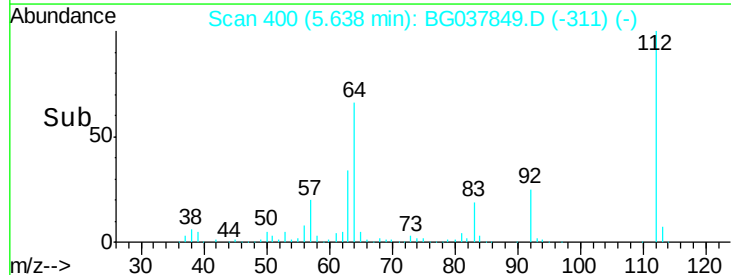
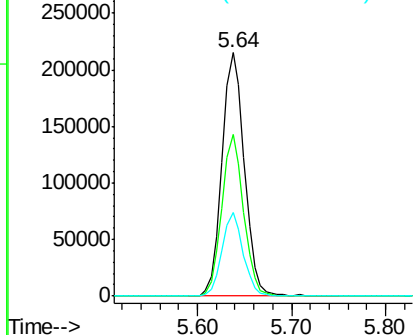
#5

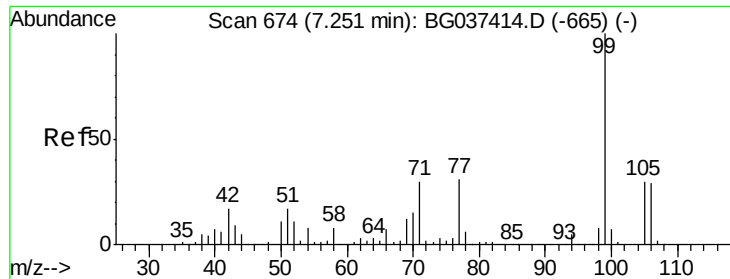
2-Fluorophenol  
Concen: 107.87 ng  
RT: 5.64 min Scan# 400  
Delta R.T. -0.01 min  
Lab File: BG037849.D  
Acq: 6 Nov 2018 21:59

Tgt Ion:112 Resp: 358359  
Ion Ratio Lower Upper  
112 100  
64 66.4 53.1 79.7  
63 34.4 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 92.72 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037849.D

Acq: 6 Nov 2018 21:59

Instrument :

BNA\_G

ClientSampleId :

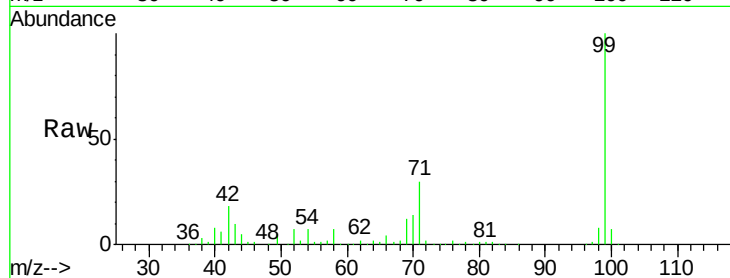
Tot Ion: 99 Resp: 465769

Ion Ratio Lower Upper

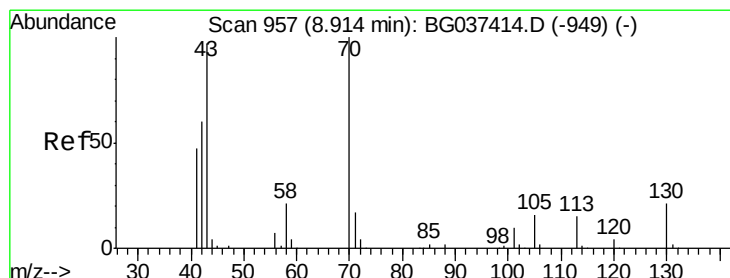
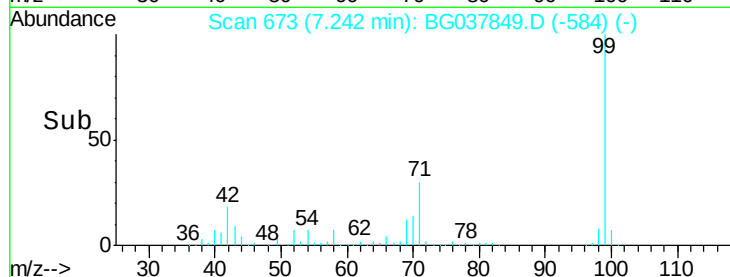
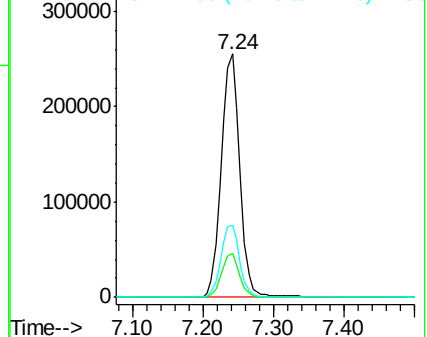
99 100

42 17.9 15.0 22.4

71 29.8 25.5 38.3



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 13.53 ng

RT: 9.27 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037849.D

Acq: 6 Nov 2018 21:59

Tgt Ion: 70 Resp: 46813

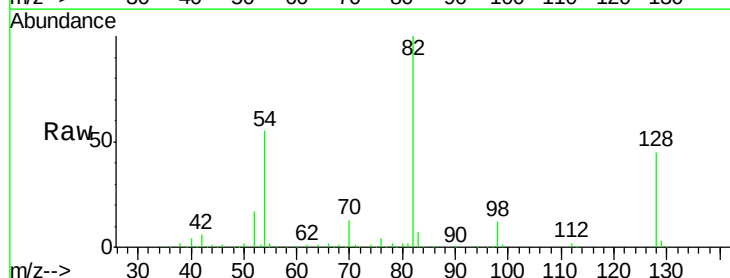
Ion Ratio Lower Upper

70 100

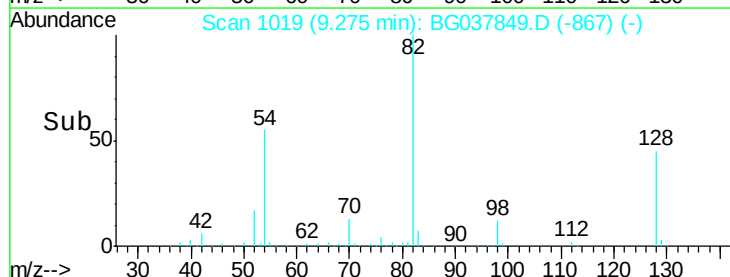
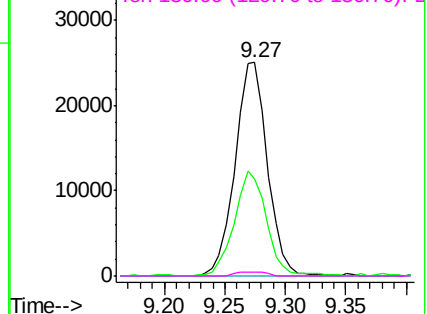
42 45.8 53.9 80.9#

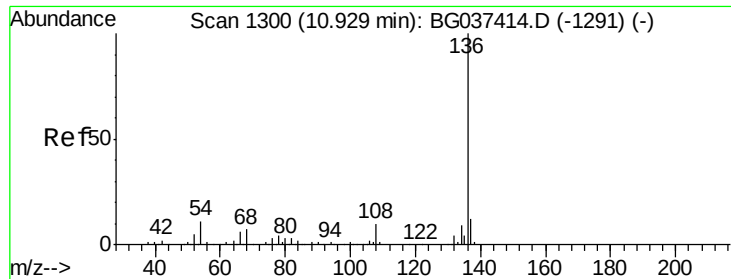
101 0.0 8.2 12.2#

130 2.0 18.2 27.4#



Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

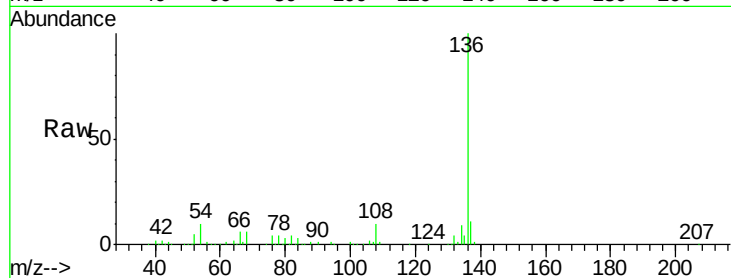




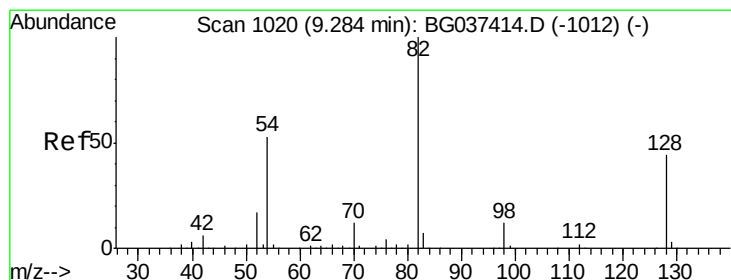
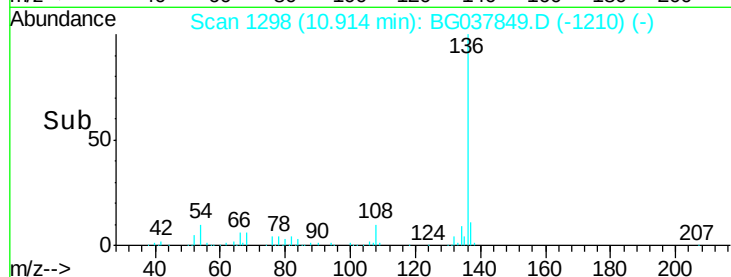
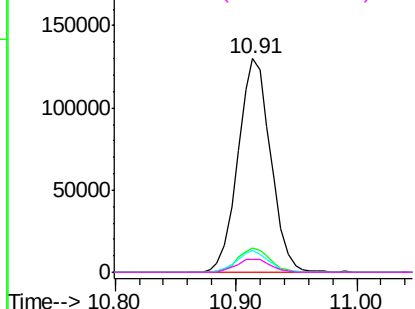
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.91 min Scan# 1298  
Delta R.T. -0.02 min  
Lab File: BG037849.D  
Acq: 6 Nov 2018 21:59

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 244003      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.2  | 9.6 14.4    |
| 54          | 10.2  | 7.9 11.9    |
| 68          | 5.7   | 4.8 7.2     |

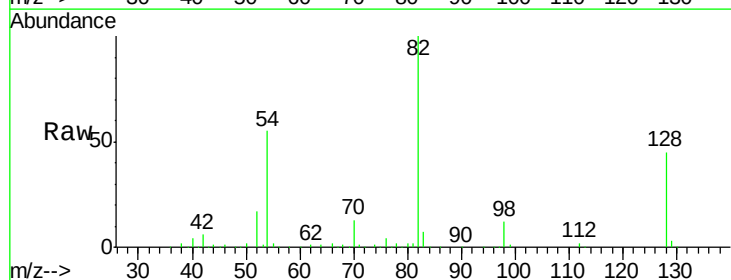


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

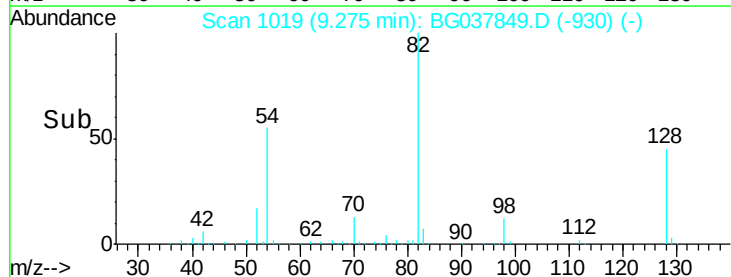
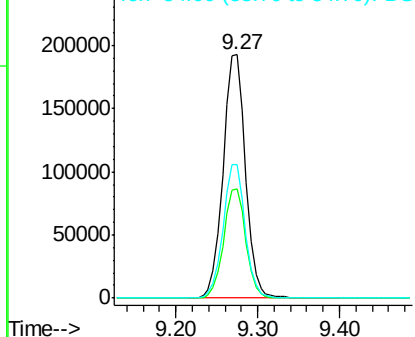


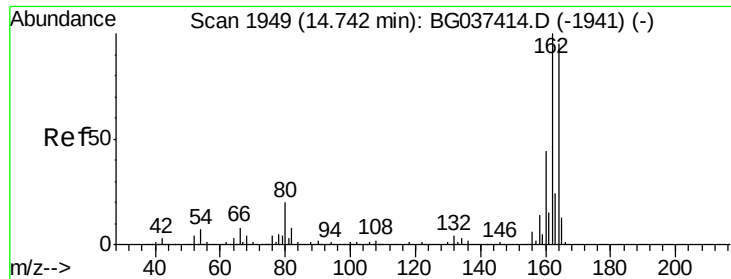
#23  
Nitrobenzene-d5  
Concen: 84.26 ng  
RT: 9.27 min Scan# 1019  
Delta R.T. -0.01 min  
Lab File: BG037849.D  
Acq: 6 Nov 2018 21:59

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 366992      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 44.9  | 34.6 51.8   |
| 54          | 54.8  | 45.3 67.9   |



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.02 min

Lab File: BG037849.D

Acq: 6 Nov 2018 21:59

Instrument :

BNA\_G

ClientSampleId :

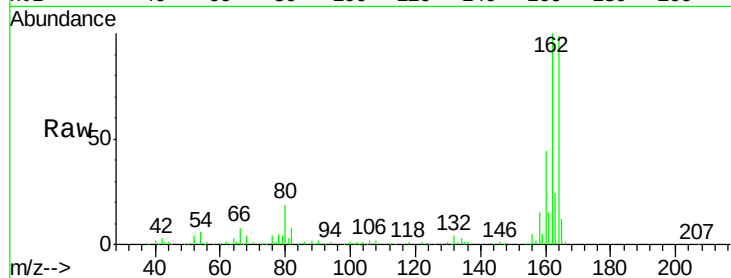
Tot Ion:164 Resp: 160524

Ion Ratio Lower Upper

164 100

162 100.6 81.3 121.9

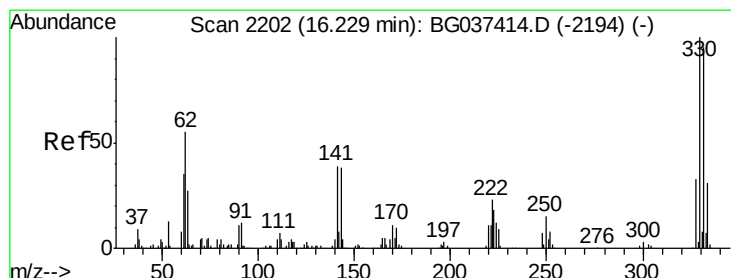
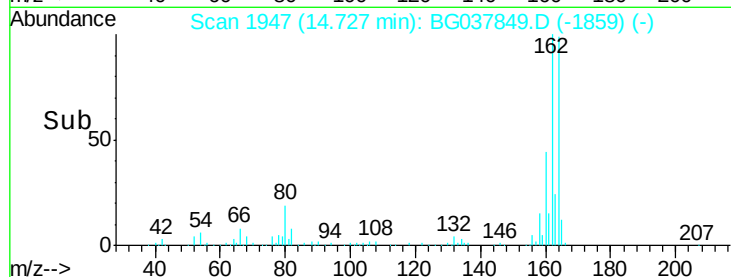
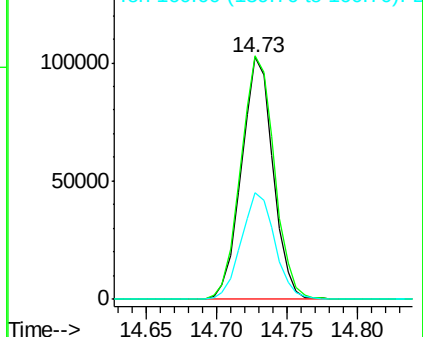
160 44.3 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 102.99 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.02 min

Lab File: BG037849.D

Acq: 6 Nov 2018 21:59

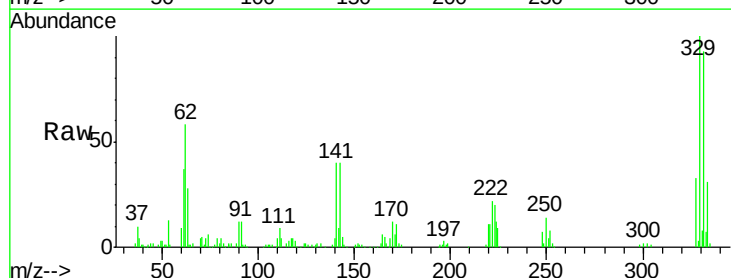
Tgt Ion:330 Resp: 180323

Ion Ratio Lower Upper

330 100

332 95.5 78.4 117.6

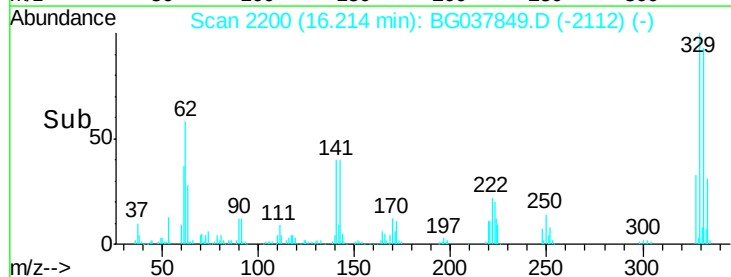
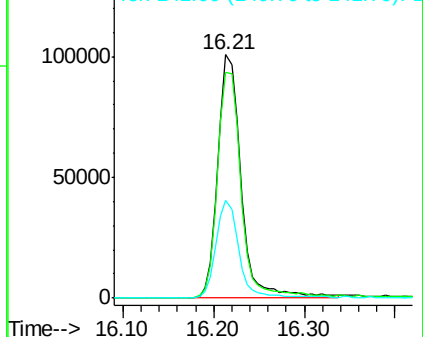
141 39.7 32.2 48.2

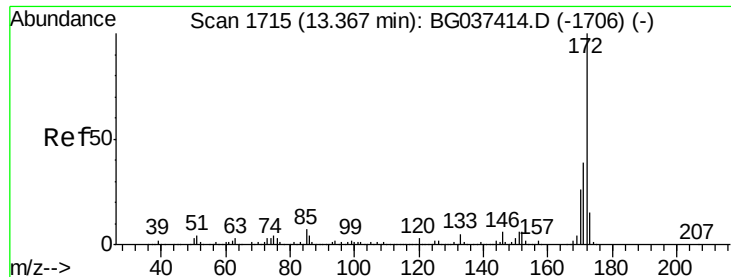


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

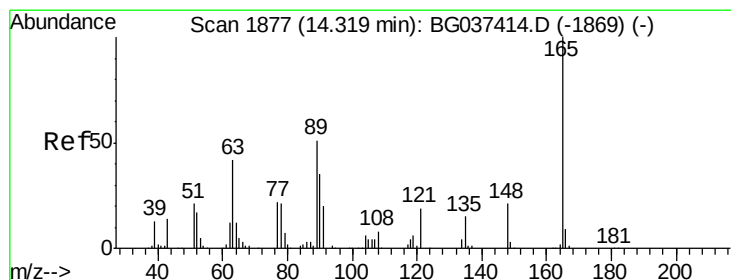
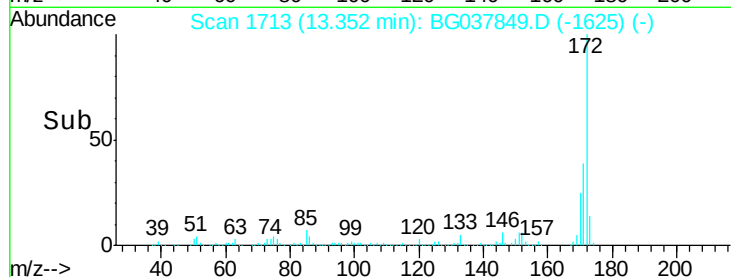
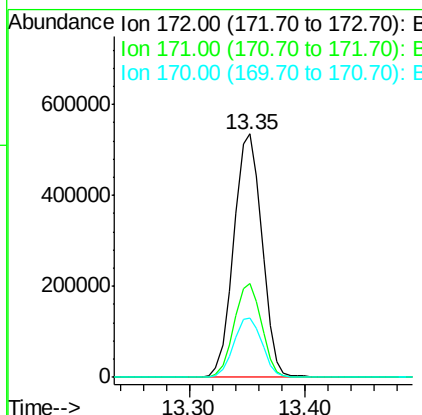
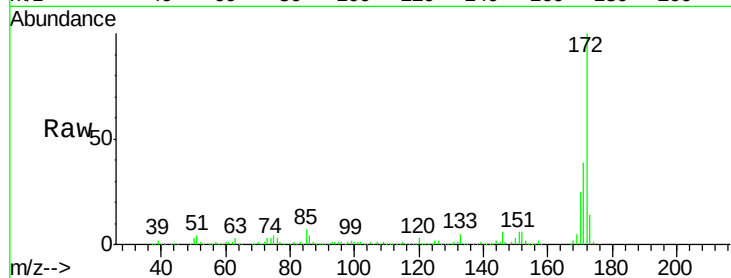




#45  
 2-Fluorobiphenyl  
 Concen: 85.18 ng  
 RT: 13.35 min Scan# 1713  
 Delta R.T. -0.02 min  
 Lab File: BG037849.D  
 Acq: 6 Nov 2018 21:59

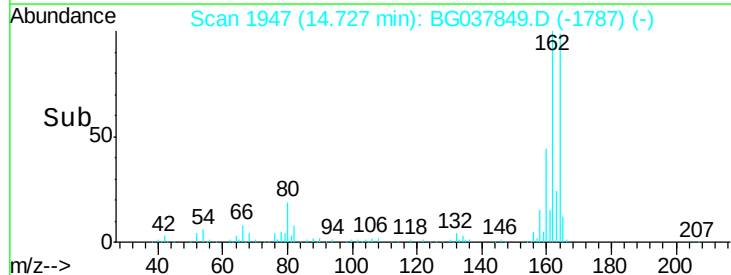
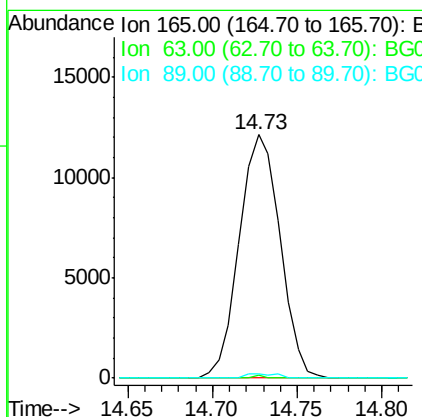
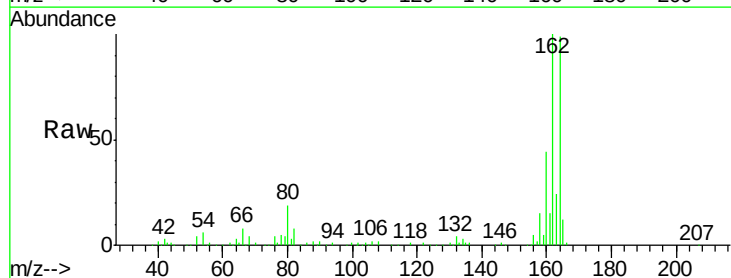
Instrument :  
 BNA\_G  
 ClientSampleId :

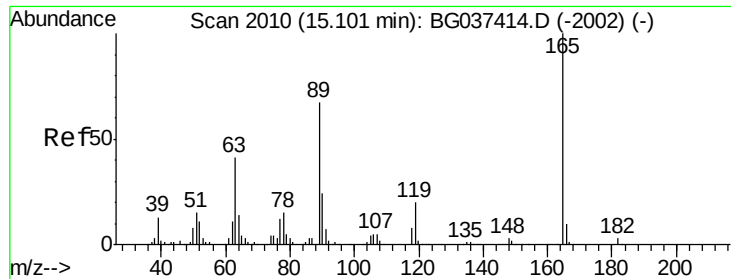
Tot Ion:172 Resp: 906772  
 Ion Ratio Lower Upper  
 172 100  
 171 38.6 31.0 46.4  
 170 24.6 20.2 30.2



#51  
 2,6-Dinitrotoluene  
 Concen: 7.43 ng  
 RT: 14.73 min Scan# 1947  
 Delta R.T. 0.41 min  
 Lab File: BG037849.D  
 Acq: 6 Nov 2018 21:59

Tgt Ion:165 Resp: 20410  
 Ion Ratio Lower Upper  
 165 100  
 63 1.3 43.4 65.2#  
 89 1.7 45.8 68.6#

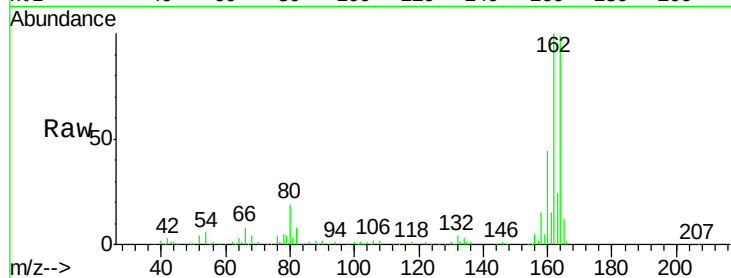




#57  
 2,4-Dinitrotoluene  
 Concen: 5.66 ng  
 RT: 14.73 min Scan# 1947  
 Delta R.T. -0.37 min  
 Lab File: BG037849.D  
 Acq: 6 Nov 2018 21:59

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 33.4  | 50.0# |
| 89      | 1.7   | 57.2  | 85.8# |
| 182     | 0.0   | 2.6   | 4.0#  |

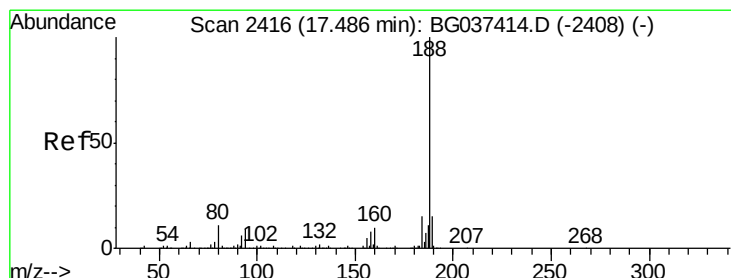
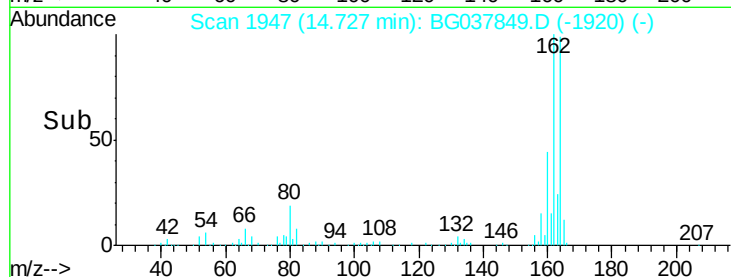
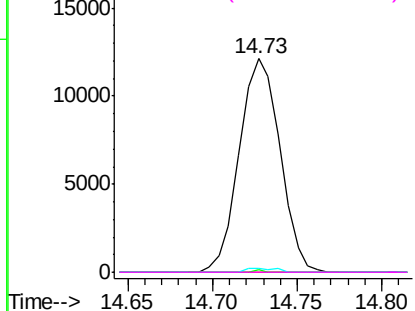


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

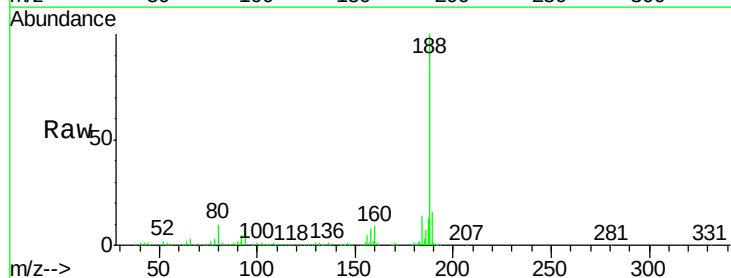
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.48 min Scan# 2415  
 Delta R.T. -0.01 min  
 Lab File: BG037849.D  
 Acq: 6 Nov 2018 21:59

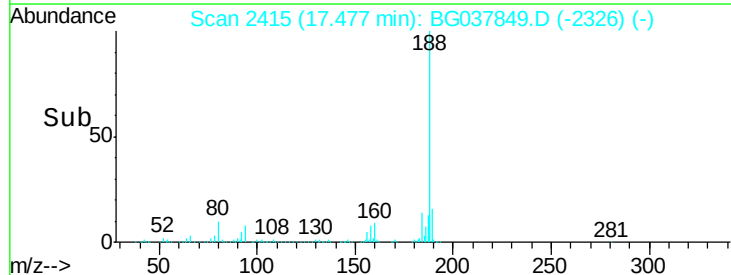
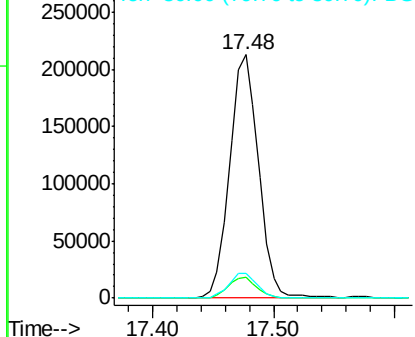
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.5   | 7.2   | 10.8  |
| 80      | 10.1  | 7.7   | 11.5  |



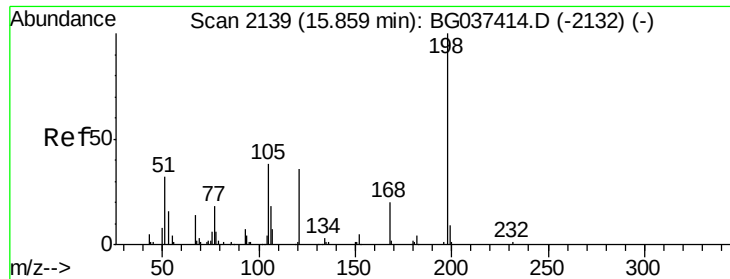
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



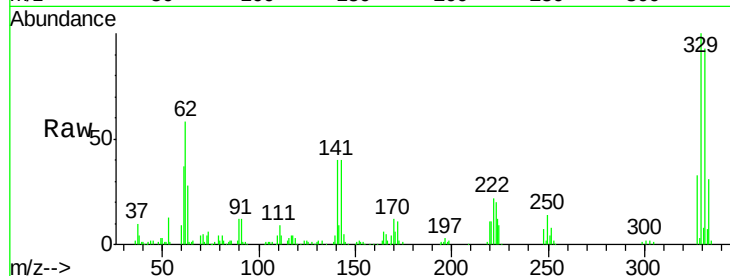




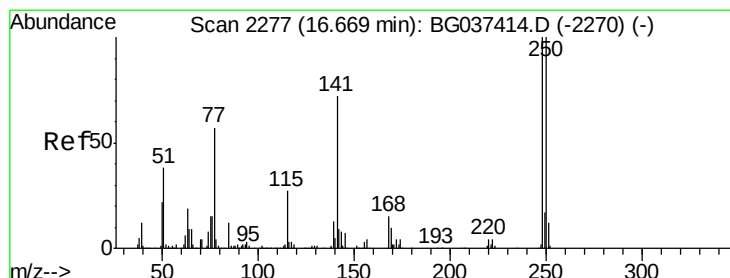
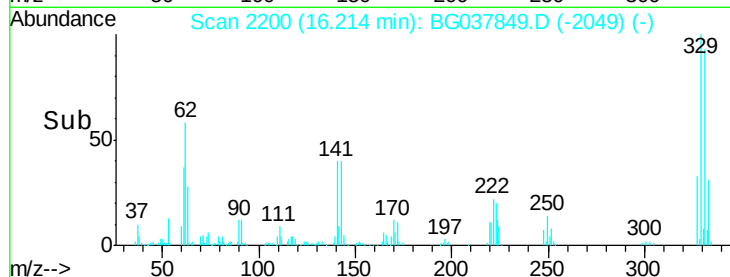
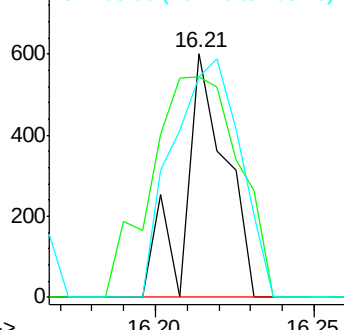
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.75 ng  
 RT: 16.21 min Scan# 2200  
 Delta R.T. 0.36 min  
 Lab File: BG037849.D  
 Acq: 6 Nov 2018 21:59

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:198 Resp: 540  
 Ion Ratio Lower Upper  
 198 100  
 51 22.7 22.7 62.7  
 105 22.8 19.7 59.7

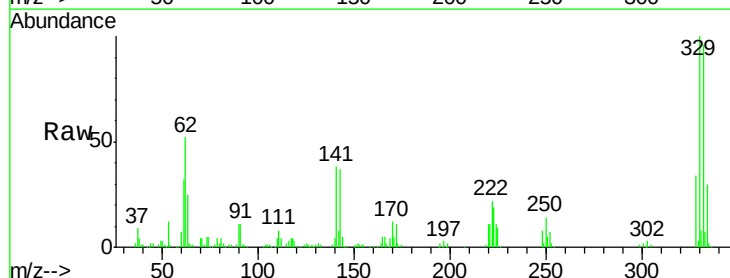


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BGO  
 Ion 105.00 (104.70 to 105.70): E

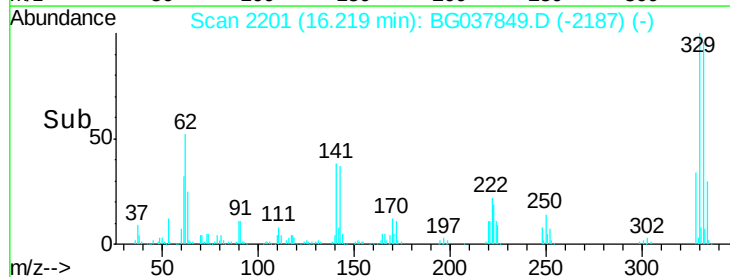
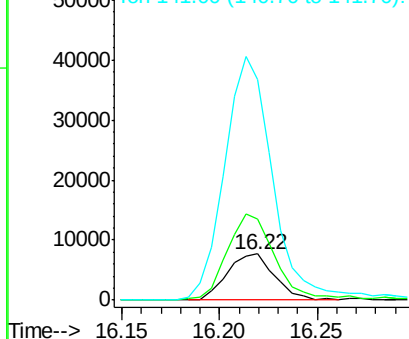


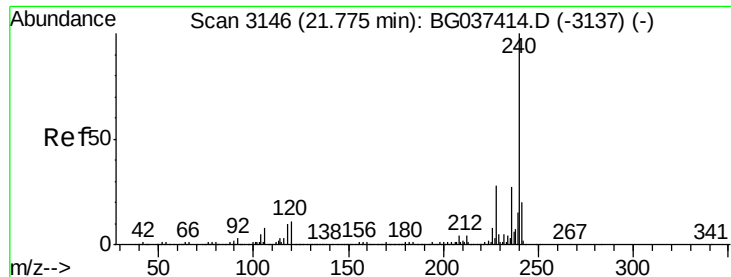
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.33 ng  
 RT: 16.22 min Scan# 2201  
 Delta R.T. -0.45 min  
 Lab File: BG037849.D  
 Acq: 6 Nov 2018 21:59

Tgt Ion:248 Resp: 12957  
 Ion Ratio Lower Upper  
 248 100  
 250 180.3 77.0 115.6#  
 141 363.9 55.5 83.3#



Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3144

Delta R.T. -0.02 min

Lab File: BG037849.D

Acq: 6 Nov 2018 21:59

Instrument :

BNA\_G

ClientSampleId :

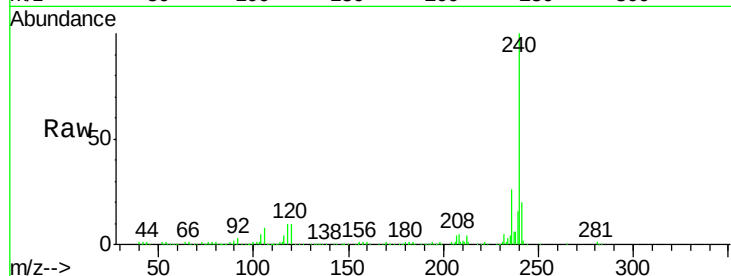
Tot Ion:240 Resp: 311686

Ion Ratio Lower Upper

240 100

120 9.8 8.1 12.1

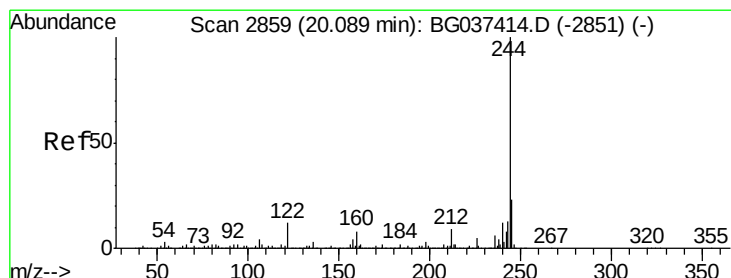
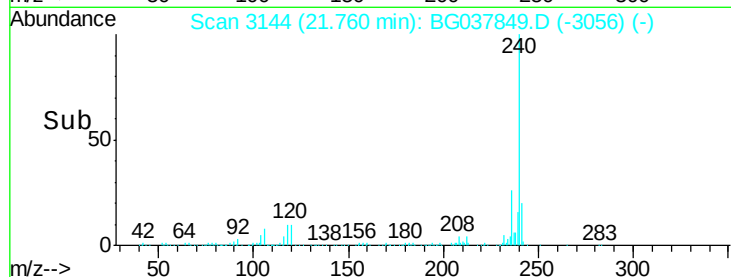
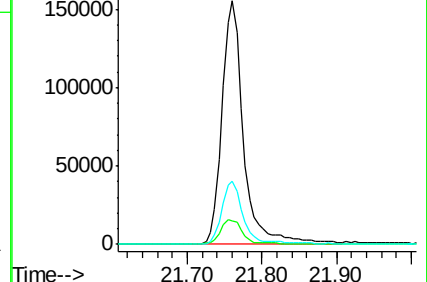
236 26.0 21.4 32.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79

Terphenyl-d14

Concen: 87.28 ng

RT: 20.07 min Scan# 2857

Delta R.T. -0.02 min

Lab File: BG037849.D

Acq: 6 Nov 2018 21:59

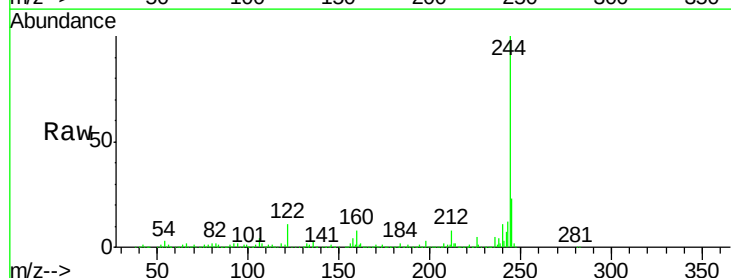
Tgt Ion:244 Resp: 1273125

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

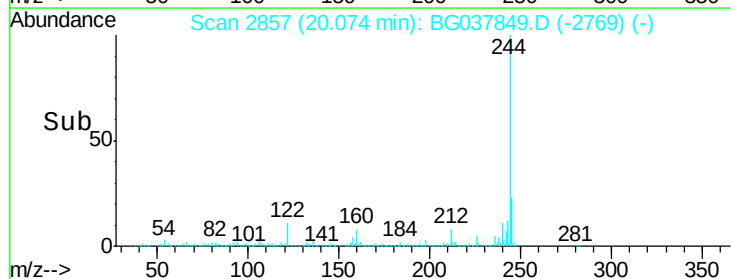
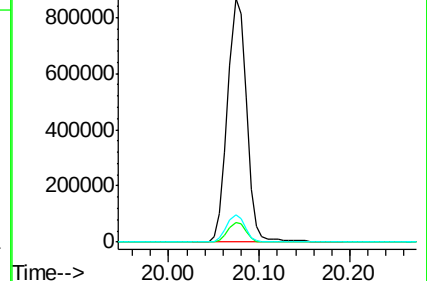
122 11.2 9.0 13.4

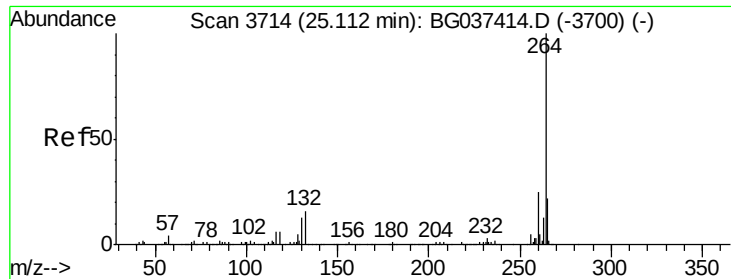


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

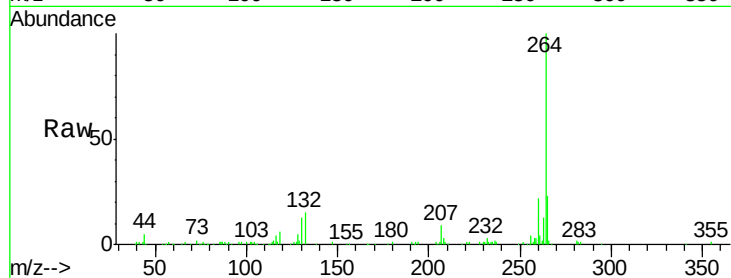




#87  
Pervlene-d12  
Concen: 20.00 ng  
RT: 25.09 min Scan# 3711  
Delta R.T. -0.02 min  
Lab File: BG037849.D  
Acq: 6 Nov 2018 21:59

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.4  | 18.2  | 27.4  |
| 265     | 22.8  | 17.9  | 26.9  |



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

